

INFORM Software Corporation

Automotive Logistics Magazine
***Live Stream Episode 12: North
American Ports***

Automotive
LOGISTICS

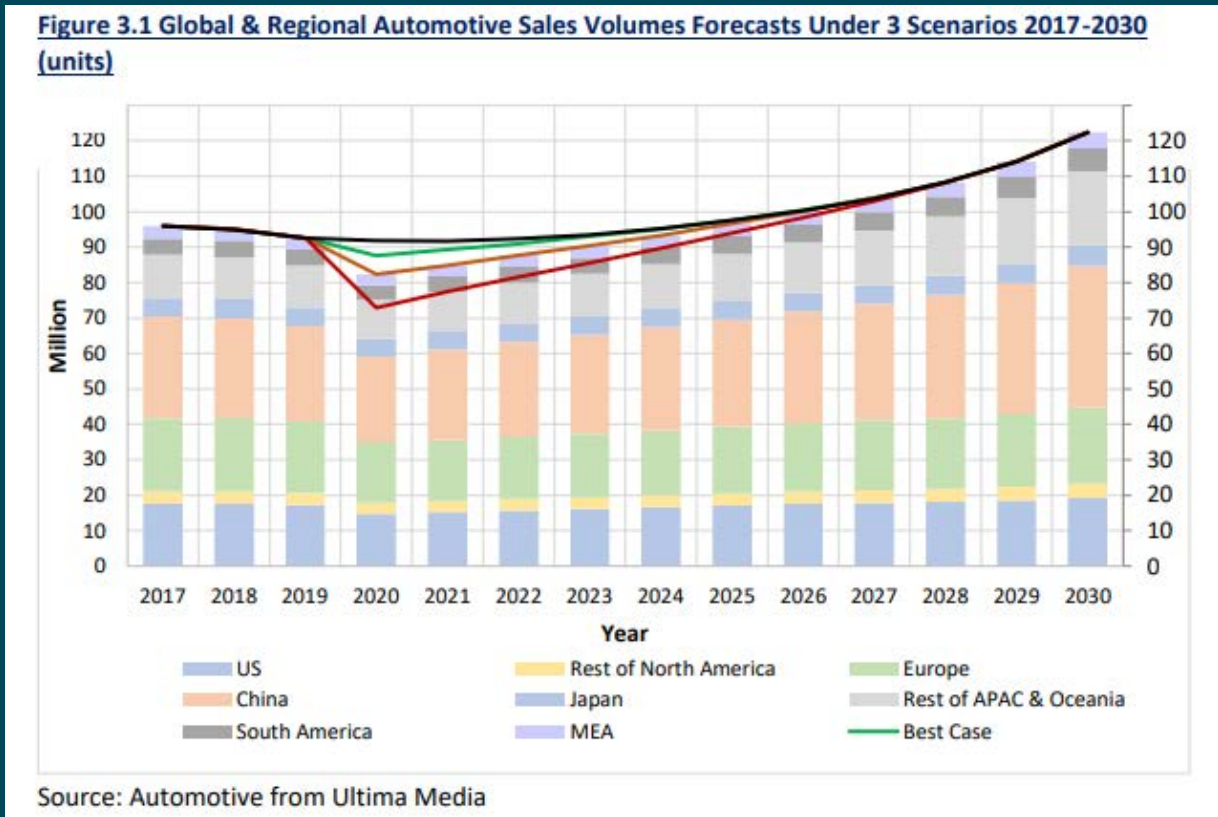
July 15th, 2020



Realizing Digital Transformation



What Are Major Reasons for Change in Business?



Economic

What Are Major Reasons for Change in Business?

Millennials



Value Convenience & Flexibility

83% More Likely to Make an Impulse Purchase

Value Personalization

Vs.



More Likely to Browse Online Than Go in Store

66% Value Product Quality & Availability

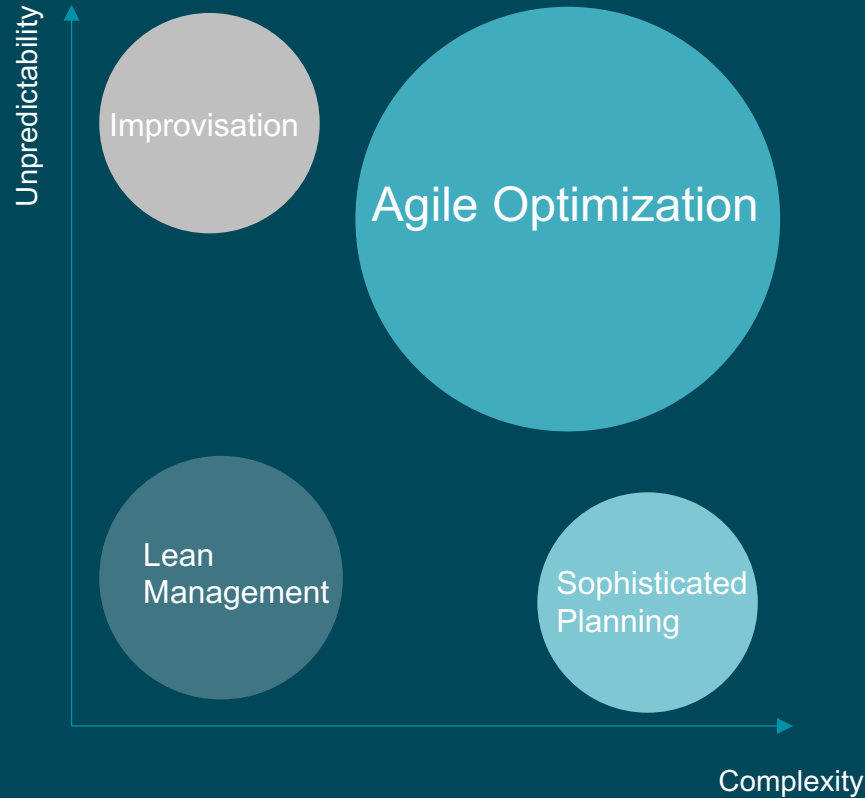
More Likely to Use Mobile Devices to Make Purchases

GenZ

Changing Consumer Habits

Digital transformation is the catalyst to overcoming an increasingly complex world

- Ad-hoc orders
- Constant changes
- Disruptions
- Time pressure
- Volatility



Agile Optimization selectively supplements corporate IT through **digital decision making**

- **Smart Optimization** – Mastering complexity
- **Rapid Response** – Fast computations
- **Interactive Control** – augmenting human decision capabilities

- Customer Accommodation
- Globalization
- Higher Demands
- Increased Product Mix

Digital Decision Making

Data Driven AI

Predictive Analytics
Machine Learning

Hidden Pattern Detection
Continuous Evolution



Know-How Driven AI

Operations Research

Expert Know-How

Human Validation of
Optimization

Hybrid AI – Agile Optimization
for Corporate Management

Digital Transformation, Hybrid-AI and Air Travel



Mobile Applications



Flight crews can be quickly dispatched or re-assigned via handheld based on proximity to problem gate



Wheel-chair assistance is directed from gate to gate via mobile application. AGV wheelchair dispatching is currently being studied



Catering services are not only dispatched, but on-board telematics tracks KPIs and reports when the box is elevated and lowered.

Mathematical Optimization



Gate optimization allows carriers to quickly reallocate passenger gates based on delays, early arrivals, and connecting flights



Equipment and workforce optimization has allowed one of the worlds largest cargo carriers to reduce headcount by 32 persons per shift

Data Visualization & Planning



Airline executives have interactive dashboards which not only level up current operations, but allow them to quickly modify and enact changes to the days plan



Strategic planning combined with real-time execution allows for continuous process and planning improvement with accurate breakdown and evaluation of planned vs. actual

VIN Tracking
Optimized Re-routing
ETA Calculation
Agile disturbance correction

Track & Trace

Compound Management

Parking Optimization
Workforce Optimization
Real-Time Yard Visualization
Workshop Scheduling
Parts Management
Capacity Scenarios

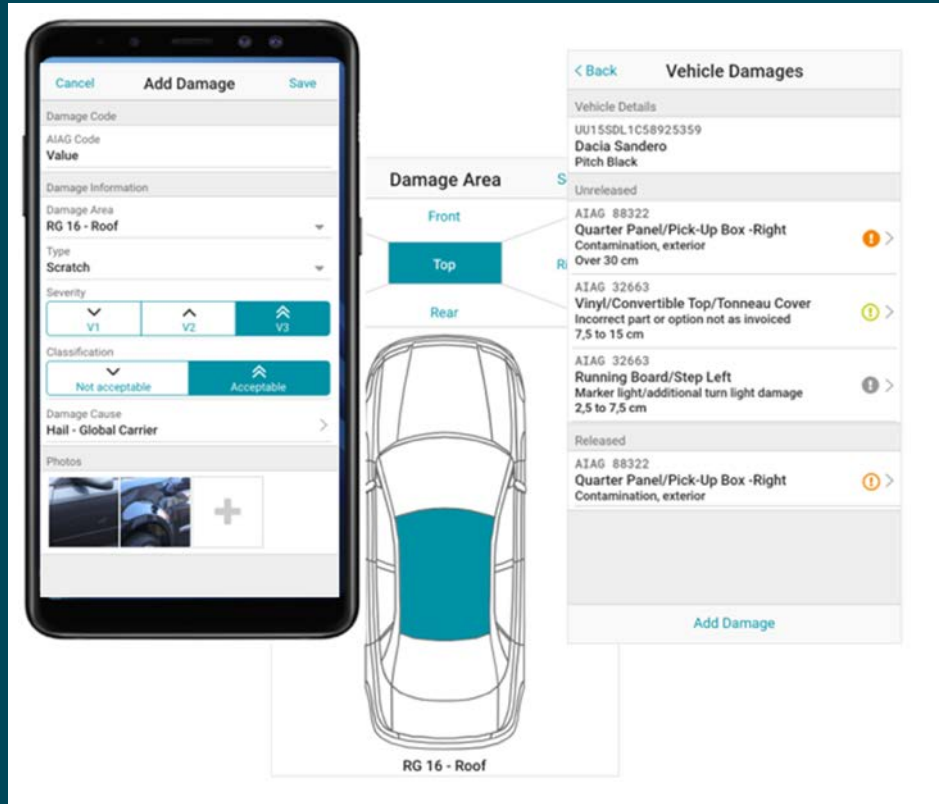
Strategic network design & optimization
Multi-scenario comparison capability
Tactical flow simulations
Volume & budget forecasting

Network Planning

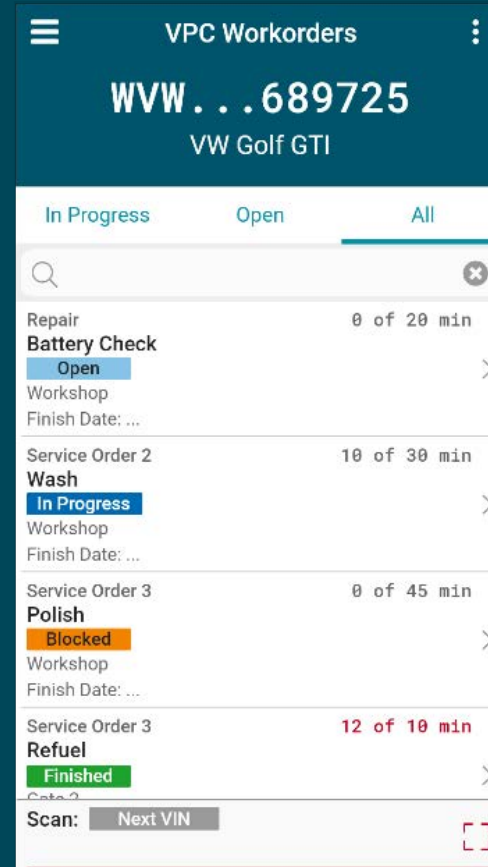
Transport Management

Optimized routing & load building
Driver Management
Truck tracking

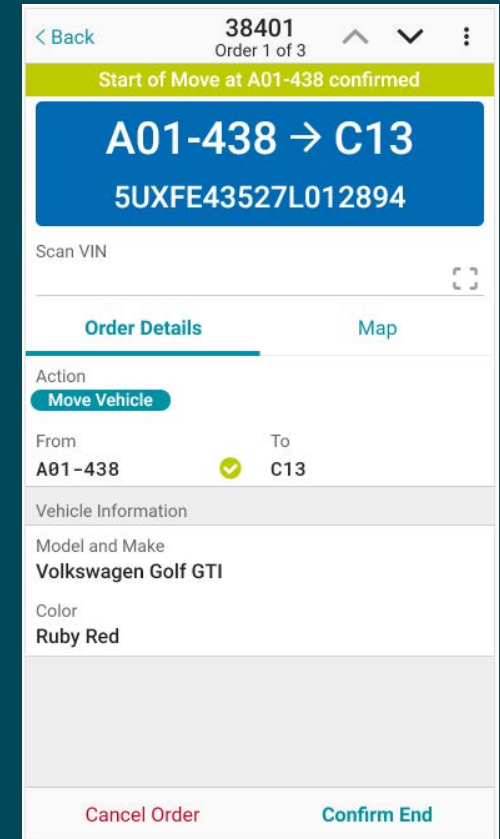
Mobile Applications



Real-time damage inspection with photo and signature capture



VPC execution and time management



Driver management and dispatch

Mathematical Optimization



Parking Optimization plans vehicle position based on priority, next position, and business rules to place the car in the best spot

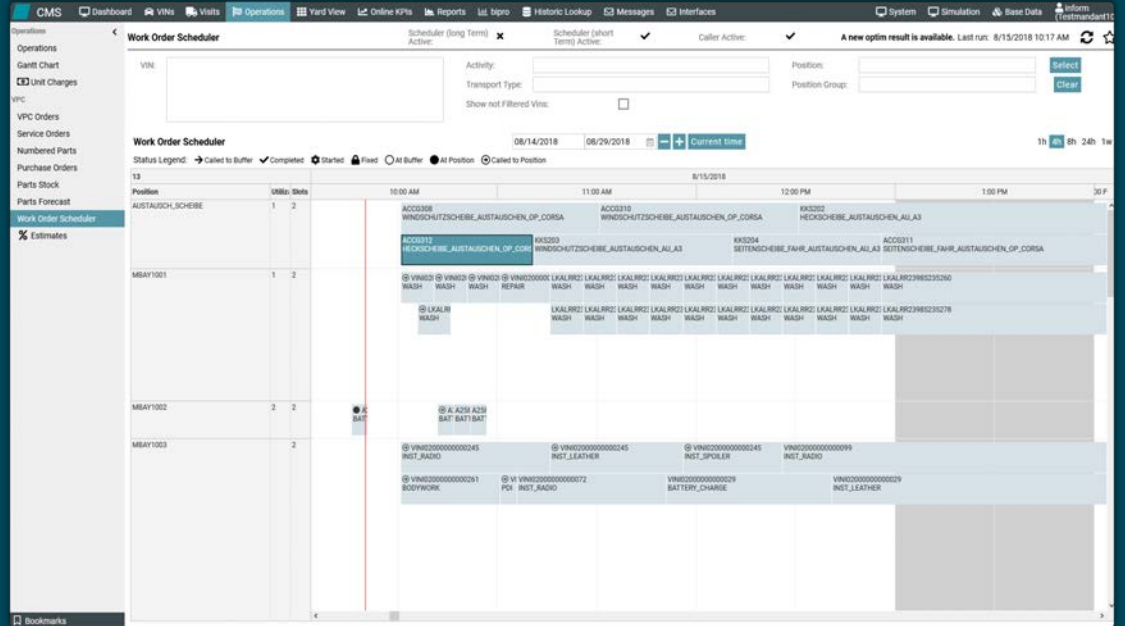
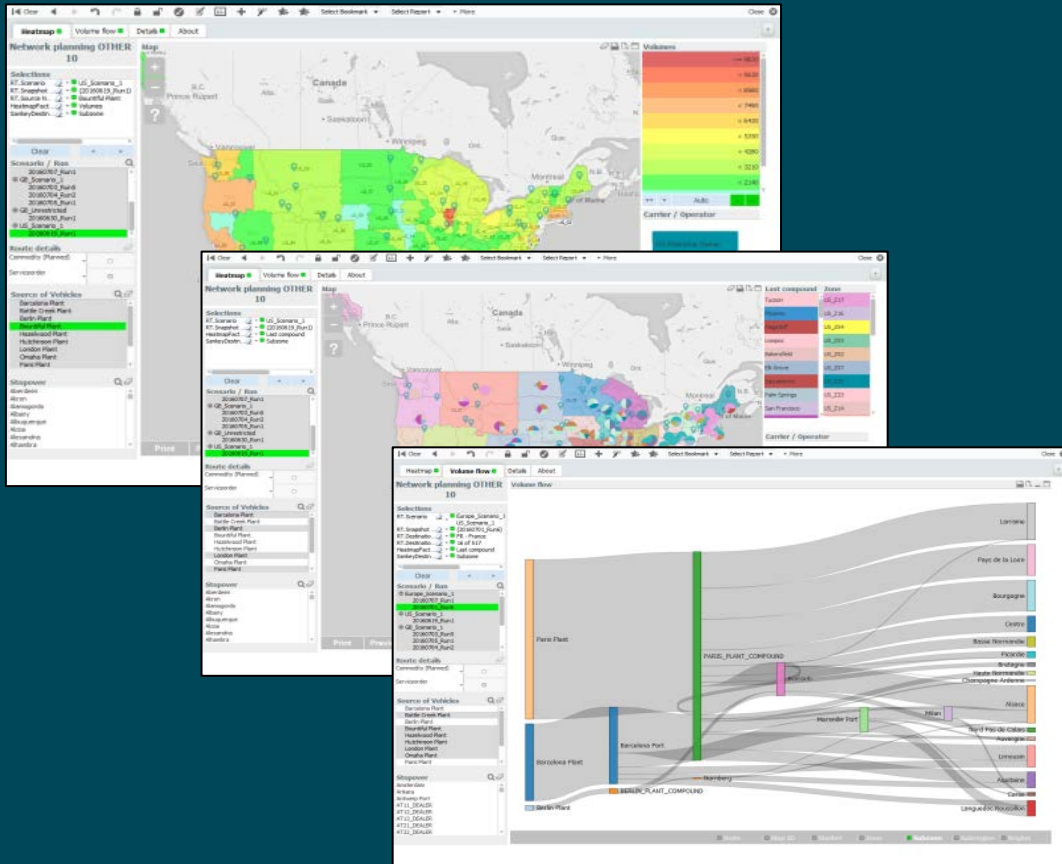


Workforce Optimization takes drivers out of the shuttle buses and creates round trip journeys with multiple pick up points



Network Optimization not only creates low cost, high service level strategic design, but also helps mitigate overcapacity issues or disruptions

Data Visualization & Planning



Data visualization of real-time and scenario data can be utilized in order to best prepare for disruptors throughout the logistics chain

Real-time VPC schedule optimization allows for planning on the minute and quickly re-plans based on operational changes without needing human interaction

We're Only At The Very, Very Beginning of This Next Generation of Computing and I think that Every Industry Leader Will Be The Ones That Transforms First. I Don't Care What Industry You're Talking About.

Kim Stevenson, CIO, Intel

Thank You!

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